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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of
THOMSON, et al.

Appln. No.: 09/816,810

Group Art Unit: Unassigned

Filed: March 23, 2001

Examiner: Unassigned

Title: Decoding System and Method for Digital Communications

July 26, 2002

Petition under 37 C.F.R. 1.48(a) for Correction of Inventorship

Hon. Commissioner for Patents and Trademarks
U.S. Patent and Trademark Office
Washington, D.C. 20231

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AUG 12 2002

Sir:

Technology Center 2600

Petition is hereby made under 37 C.F.R. 1.48(a) to add as joint inventors:

**ARDAVAN M. TEHRANI; JEFFREY M. GILBERT;
WILLIAM J. MCFARLAND; LARS E. THON; and YI-HSIU WANG**

Attached, as required by Rule 48(a), are:

1. Statements of no deceptive intent by added joint inventors Ardavan M. Tehrani, Jeffrey M. Gilbert, William J. McFarland, Lars E. Thon, and Yi-Hsiu Wang.
2. Declarations and Powers of Attorney of added joint inventors Ardavan M. Tehrani, Jeffrey M. Gilbert, William J. McFarland, Lars E. Thon, and Yi-Hsiu Wang. A declaration and power of attorney was executed by original joint inventors John S. Thomson and Paul J. Husted on September 5, 2001 and was submitted to the Patent Office on October 18, 2001.

08/08/2002 14:00:00
01 FC:122
09/09/072 09/01/010
14:00:00

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3. Written consent of the assignee, ATHEROS COMMUNICATIONS, Inc.
4. The processing fee (\$130.00) set forth in Rule 17(i). Should that fee be missing or inadequate please charge the deficiency to Deposit Account 03-3975 under Order No. 073169/0278101.

Please issue a corrected filing receipt naming the corrected inventorship.

Respectfully submitted,

PILLSBURY WINTHROP LLP

By



Ross L. Franks
Reg. No. 47,233
Tel. No.: (650) 233-4897
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1600 Tysons Boulevard
McLean, VA 22102
(703) 905-2000



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June 25, 2002

Statements of Added Joint Inventors under 37 C.F.R. 1.48(a)(2)

Hon. Commissioner for Patents and Trademarks
U.S. Patent and Trademark Office
Washington, D.C. 20231

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AUG 12 2002



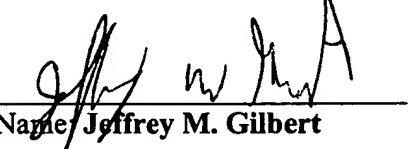

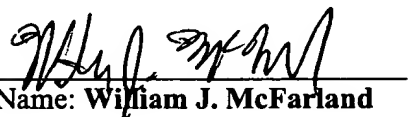

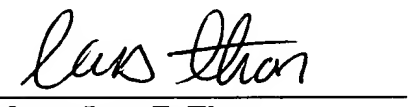
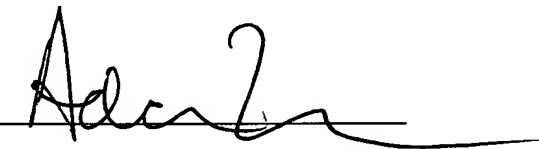
Sir:

Technology Center 2600

I, Ardavan M. Tehrani, Jeffrey M. Gilbert, William J. McFarland, Lars E. Thon, and Yi-Hsiu Wang, do hereby declare and state as follows:

1. I am an original and joint inventor of the above-identified application as it was originally filed in the U.S. Patent & Trademark Office, together with the named joint inventors John S. Thomson and Paul J. Husted.
2. Without deceptive intent on my part, my name was erroneously omitted from the list of joint inventors on the application as it was originally filed.
3. I hereby declare that all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are

punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the present application or any patent issued thereon.

	<u>Signature</u>	<u>Date Signed</u>	<u>Witness</u>
1)	 Name: Ardavan M. Tehrani	6/25/02	
2)	 Name: Jeffrey M. Gilbert	6/25/02	
3)	 Name: William J. McFarland	6/25/02	
4)	 Name: Lars E. Thon	2002-07-22	
5)	 Name: Yi-Hsiu Wang	6/25/02	



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FOR UTILITY/DESIGN
CIP/PCT NATIONAL/PLANT
ORIGINAL/SUBSTITUTE/SUPPLEMENTAL
DECLARATIONS

RULE 63 (37 C.F.R. 1.63)
DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PW
FORM

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the **INVENTION ENTITLED**

Decoding System and Method for Digital Communications

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the specification of which (CHECK applicable BOX(ES))

X A. ☐ is attached hereto.

BOX(ES) → B. ☒ was filed on **March 23, 2001** as U.S. Application No. **09/816,810**

AUG 1 2 2002

→ C. ☐ was filed as PCT International Application No. PCT/ / on

and (if applicable to U.S. or PCT application) was amended on

Technology Center 2600

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. Except as noted below, I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International Application which designated at least one other country than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International Application, filed by me or my assignee disclosing the subject matter claimed in this application and having a filing date (1) before that of the application on which priority is claimed, or (2) if no priority claimed, before the filing date of this application:

PRIOR FOREIGN APPLICATION(S)

Number	Country	Day/MONTH/Year Filed	Date first Laid- open or Published	Date Patented or Granted	Priority NOT Claimed
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If more prior foreign applications, X box at bottom and continue on attached page.

Except as noted below, I hereby claim domestic priority benefit under 35 U.S.C. 119(e) or 120 and/or 365(c) of the indicated United States applications listed below and PCT international applications listed above or below and, if this is a continuation-in-part (CIP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that disclosed in such prior applications, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of each such prior application and the national or PCT international filing date of this application:

PRIOR U.S. PROVISIONAL, NONPROVISIONAL AND/OR PCT APPLICATION(S)

Application No. (series code/serial no.)	Day/MONTH/Year Filed	Status pending, abandoned, patented	Priority NOT Claimed
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60/271,615
09/535,902

February 26, 2001
March 24, 2000

Pending
Pending

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

And I hereby appoint Pillsbury Winthrop LLP, Intellectual Property Group, 1100 New York Avenue, N.W., Ninth Floor, East Tower, Washington, D.C. 20005-3918, telephone number (202) 861-3000 (to whom all communications are to be directed), and the below-named persons (of the same address) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to delete names/numbers below of persons no longer with their firm and to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct the above Firm and/or a below attorney in writing to the contrary.

William P. Atkins	38821	Adam R. Hess	41835	G. Lloyd Knight	17698	George M. Sirilla	18221
Jack S. Barufka	37087	David H. Jaffer	32243	Dale S. Lazar	28872	Robin L. Teskin	35030
Brian J. Beatus	38825	David A. Jakopin	32995	Anthony L. Miele	34393	Robert J. Walters	40862
James E. Eakin	27874	John Jobe	28429	Mark G. Paulson	30793	Roger R. Wise	31204
G. Paul Edgell	24238	Kevin E. Joyce	20508	Glenn J. Perry	28458	Richard H. Zaitlen	27248
Stephen C. Glazier	31361	Jeffrey D. Karceski	35914	Paul L. Sharer	36004		

(1) INVENTOR'S SIGNATURE: [previously signed and submitted on 10/18/2002] Date: [previously dated 09/05/2001]

John	S.	Thomson	
First	Middle Initial	Family Name	
Residence	Santa Clara	California	Canada
City	State/Foreign Country	Country of Citizenship	
Mailing Address	450 Oak Grove Drive, #202, Santa Clara, CA		
(include Zip Code)	95054		

(2) INVENTOR'S SIGNATURE: [previously signed and submitted on 10/18/2001] Date: [previously dated 09/05/2001]

Paul	J.	Husted	
First	Middle Initial	Family Name	
Residence	El Cerrito	California	U. S. A.
City	State/Foreign Country	Country of Citizenship	
Mailing Address	5930 Lassen Street, El Cerrito, CA		
(include Zip Code)	94530		

(3) INVENTOR'S SIGNATURE: *Ardavan Melli Tehrani*

Date: *6/25/02*

Ardavan	M.	Tehrani	
First	Middle Initial	Family Name	
Residence	Menlo Park	California	Iran
City	State/Foreign Country	Country of Citizenship	
Mailing Address	350 Sharon Park Drive, #T-31, Menlo Park, CA		
(include Zip Code)	94025		

(4) INVENTOR'S SIGNATURE: *Jeffrey M. Gilbert*

Date: *6/25/02*

Jeffrey	M.	Gilbert	
First	Middle Initial	Family Name	
Residence	Sunnyvale	California	U.S.A.
City	State/Foreign Country	Country of Citizenship	
Mailing Address	825 E. Evelyn Avenue, #215, Sunnyvale, CA		
(include Zip Code)	94086		

(5) INVENTOR'S SIGNATURE: *William J. McFarland*

Date: *6/25/02*

William	J.	McFarland	
First	Middle Initial	Family Name	
Residence	Los Altos	California	U.S.A.
City	State/Foreign Country	Country of Citizenship	
Mailing Address	451 Valencia Drive, Los Altos, CA		
(include Zip Code)	94022		

(6) INVENTOR'S SIGNATURE: *Lars E. Thon*

Date: *2002-07-22*

Lars	E.	Thon	
First	Middle Initial	Family Name	
Residence	San Jose	California	U.S.A.
City	State/Foreign Country	Country of Citizenship	
Mailing Address	4501 Snell Ave., #2002, San Jose, CA		
(include Zip Code)	95136		

(7) INVENTOR'S SIGNATURE: *Yi-Hsiu Wang*

Date: *6/25/02*

Yi-Hsiu	--	Wang	
First	Middle Initial	Family Name	
Residence	Palo Alto	California	Taiwan
City	State/Foreign Country	Country of Citizenship	
Mailing Address	644 Barron Avenue, Palo Alto, CA		
(include Zip Code)	94306		

Atty. Dkt. No. **073169 / 0278101**
(C / M)



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Title: Decoding System and Method for Digital Communications

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AUG 1 2 2002

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June 25, 2002

Statements of Assignee under 37 C.F.R. 1.48(a)(5)

Hon. Commissioner for Patents and Trademarks
U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

I, Adam Tachner, acting in my official capacity as Intellectual Property Counsel, on behalf of Atheros Communications, Inc., a Delaware corporation, having its principal place of business at 529 Almanor Ave., Sunnyvale, California 94085, do hereby declare and state as follows:

1. Atheros Communications, Inc. is assignee of the above-identified application.
2. Atheros Communications, Inc. obtained ownership in the application from the original named joint inventors, John S. Thomson and Paul J. Husted, by an assignment recorded on November 21, 2001 with the U.S. Patent and Trademark Office.

3. Documentary evidence of the Atheros Communications, Inc. ownership in the above-identified application is recorded on Reel 012317 and Frame 0047 of the assignment records of the U.S. Patent and Trademark Office.

4. Atheros Communications, Inc. hereby consents to the correction of inventorship for the above-identified application by the addition of joint inventors Ardavan M. Tehrani, Jeffrey M. Gilbert, William J. McFarland, Lars E. Thon, and Yi-Hsiu Wang.

5. I hereby declare that all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the present application or any patent issued thereon.

Signed this day, the 25th day of JUNE, 2002.

A handwritten signature in black ink, appearing to read 'Adam Tachner', written over a horizontal line.

Adam Tachner

Intellectual Property Counsel

Atheros Communications, Inc.



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:
Inventor: **THOMSON et al.**

Atty. Docket: 073169-0278101

Appln. No. **09/816,810**

Group Art Unit: Not Yet Assigned

Filed: March 23, 2001

Examiner: Not Yet Assigned

Title: **Decoding System and Method for Digital Communications**

Date: July 26, 2002

CERTIFICATE OF MAILING

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AUG 1 2 2002

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I, Rachel K. McLendon Kent, hereby certify that:

A Petition under 37 C.F.R. 1.48(a) for Correction of Inventorship (2 pgs); a Statement of Assignee under 37 C.F.R. 1.48(a)(5) (2 pgs); Statements of Added Joint Inventors under 37 C.F.R. 1.48(a)(2) (2 pgs); an executed Declaration and Power of Attorney under 37 C.F.R. 1.63 (2 pgs); a check for \$130.00; and a return receipt postcard

are being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Date: July 26, 2002


Rachel K. McLendon Kent